

**FIRE RESISTANT, LOW SMOKE-EMITTING, NON-HALOGEN POLYOLEFIN
FORMULATION FOR PROTECTING INSULATION PROPERTY OF AUTOMOBILE
CABLE**

Patent number: JP2000191845

Publication date: 2000-07-11

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Classification:

- international: C08L23/04; C08K3/22; C08K3/26; C08K3/34; C08K5/09;
C08K5/13; C08K5/14; C08K5/3432; C08K5/3445;
C08K5/36; C08K5/524; C08K5/5415; C08L23/10;
C08L23/16; C08L31/04; C08L83/04; C08L91/06;
H01B3/44

- european:

Application number: JP19980373199 19981228

Priority number(s):

Abstract of JP2000191845

PROBLEM TO BE SOLVED: To obtain a composition excellent in fire resistance, thermal stability and an electric insulating property, colorable and free from halogenated components by adding a hydrated inorganic filler, an alkoxy silane, a fatty acid derivative, a curing agent and other additives each in a specific amount to a polyolefinic resin mixture.

SOLUTION: To a collaborating mixture comprising an ethylene/2-6C vinyl ester of an acid and a low density polyethylene and optionally containing an additional polyethylene, a polypropylene, a copolymer thereof or a terpolymer are added about 80-400 phr of an hydrated inorganic filler, about 0.5-5 phr of an alkoxy silane, about 1-8 phr of a curing agent, about 0.35-8 phr of an additive containing a three-component lubricant mixture comprising a 8-22C saturated fatty acid and/or a fatty acid derivative, a low mol.wt. silicone oil and a microcrystalline wax or a paraffin and about 1-8 phr of an antioxidant to give a composition suitable for insulation and protection of cables and electroconductive matters.

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